

SEQUENCE LISTING

<110> SIN, YOKE M
 LAM, TOONG J
 GONG, ZHIYUAN

<120> A RECOMBINANT VACCINE AGAINST FISH INFECTIOUS DISEASES

<130> RECOMBINANT VACCINE FOR FISH

<140> 09/196,161

<141> 1998-11-20

<160> 5

<170> PatentIn Ver. 2.0

<210> 1

<211> 316

<212> DNA

<213> Ichthyophthirius multifiliis

<400> 1

```

ggtgctgctt aaggagaagc taatgctaata taacctttcg cagcaaataa tgctgctaga 60
ggtatatgtg taccatgcc aataaacaga gtaggctctg ttaccaatgc aggtgactta 120
gctacttttag ccacataatg cagtacttaa tgcctactg gcactgcact tgatgatgga 180
gtgacagatg tttttgatag atcagccgca taatgtgtta aatgcaaacc taacttttac 240
tataatgggtg gttctcctta aggtgaagct cctggcggtt aagtttttgc tgctgggtgct 300
gccgctgcag gtgttg                                     316

```

<210> 2

<211> 316

<212> DNA

<213> Ichthyophthirius multifiliis

<400> 2

```

ggtgctgctt aaggagaagc taatgctaata taacctttcg cagcaaataa tgctgctaga 60
ggtatatgtg taccatgcc aataaacaga gtaggctctg ttaccaatgc aggtgactta 120
gctacttttag ccacataatg cagtacttaa tgcctactg gcactgcact tgatgatgga 180
gtgacagatg tttttgatag atcagccgca taatgtgtta aatgcaaacc taacttttac 240
tataatgggtg gttctcctta aggtgaagct cctggcggtt aagtttttgc tgctgggtgct 300
gccgctgcag gtgttg                                     316

```

<210> 3

<211> 125

<212> DNA

<213> Ichthyophthirius multifiliis

<400> 3

ggcggatccg ctagggagaa gctaattgga atcagccttt cgcagcaa ataatgtgtgcta 60
agagggtttac gacgatctcc atatacacat ggtacggttt atttgtctat ccgagaccat 120
ggcca 125

<210> 4

<211> 125

<212> DNA

<213> *Ichthyophthirius multifiliis*

<400> 4

accggtacca atgcagggtga cttagctact ttagccacac aatgcagtag tcagtgtcct 60
actggcgta caggatgacc gtgacgtgaa ctactacctc actgtctaca aaaactatct 120
agtgc 125

<210> 5

<211> 137

<212> DNA

<213> *Ichthyophthirius multifiliis*

<400> 5

cctgatcagc cgcacagtgt gttaaattgca aaactaactt ttactataat ggtgggtctcc 60
tcagggtcca agaggagtcc cacttcgagg accgcaagtc caaaaacgac gaccaacgac 120
ggcgacgtcc ttaagcg 137